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CERTIFIED MAIL
RETURN RECEIPT REQUESTED
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15-xxxxxE CAB
File No. 0703

Mr. Lawrence E. Wilderman
President
Sphere, LLC
dba Pacific Aggregate
87-601 Paakea Road
Waianae, Hawaii 96792

Dear Mr. Wilderman:

**SUBJECT: Covered/Temporary Covered Source Permit (CSP) No. 0703-01-C/CT
Renewal and Significant Modification Application Nos. 0703-02 and 0703-03
Sphere, LLC, dba Pacific Aggregate
Crushing and Screening Plants
Location: 1) 87-601 Paakea Road, Waianae, Oahu (Sand Plant)
2) Temporary Sites, State of Hawaii (Various Equipment)
Date of Expiration: 5 years after issue date**

The subject temporary covered source permit is issued in accordance with Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information submitted as part of your applications received on November 8, 2012, and May 30, 2013. This permit supersedes CSP No. 0703-01-C/CT issued on December 9, 2008.

The temporary covered source permit is issued subject to the conditions and requirements set forth in the following attachments:

Attachment I: Standard Conditions
Attachment II: Special Conditions
Attachment II - INSIG: Special Conditions - Insignificant Activities
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements

Mr. Lawrence E. Wilderman
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The following forms are enclosed for your use and submittal as required:

- Compliance Certification Form
- Compliance Report Form: 1385 HP Diesel Engine Generator
- Change of Location Request for a Temporary Source
- Annual Emissions Report Form: Crushing and Screening Plants
- Annual Emissions Report Form: Diesel Engines
- Monitoring Report Form: Operating Hours
- Monitoring Report Form: Fuel Certification
- Monitoring Report Form: Opacity Exceedances

The following are enclosed for your use in monitoring visible emissions:

- Visible Emissions Form Requirements State of Hawaii
- Visible Emissions Form - Diesel Engine Generators
- Visible Emissions Form – Crushing and Screening Plants

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health (herein after referred to as Department), or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

If you have any questions regarding this matter, please call Mr. Joseph Baumgartner of the Clean Air Branch at (808) 586-4200.

Sincerely,

STUART YAMADA, P.E., CHIEF
Environmental Management Division

JB:dh
Enclosures

c: CAB Monitoring Section

**ATTACHMENT I: STANDARD CONDITIONS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²
4. A request for transfer from person to person shall be made on forms furnished by the Department.

(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department and the U.S. Environmental Protection Agency (EPA), Region 9.

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)
7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department and U.S. EPA, Region 9, in writing of the following dates:

- a. The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
- b. The **actual date of construction commencement** within fifteen (15) days after such date; and
- c. The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department but also directly to the U.S. EPA, Region 9, along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:

- a. Identification of the specific equipment to be taken out of service, as well as its location and permit number;
- b. The expected length of time that the air pollution control equipment will be out of service;
- c. The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
- d. Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
- e. The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)²

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:

- a. Identification of each affected emission point and each emission limit exceeded;
- b. Magnitude of each excess emission;
- c. Time and duration of each excess emission;
- d. Identity of the process or control equipment causing the excess emission;
- e. Cause and nature of each excess emission;
- f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;

- g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
- h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

18. The permittee may request confidential treatment of any records in accordance with HAR, Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

20. The Department may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

22. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)

23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:
- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
 - b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of a covered source covered by this permit**, the discontinuance shall be reported in writing to the Department by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)²

25. Each permit renewal application shall be submitted to the Department and the U.S. EPA, Region 9, no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Director of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Director of Health determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))¹

26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department and the U.S. EPA, Region 9, once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

28. Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814**

Upon request and as required by this permit, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:

**Chief
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. The facility consists of the following equipment:

a. 200 ton per hour (TPH) fixed sand plant with:

- i. 200 TPH Pettibone hammermill crusher, model no. 3640;
- ii. 504 TPH Kolberg two-deck screen (6' x 12');
- iii. 60 TPH Stedman cagemill crusher, model no. 50 (F50D4-47), serial no. D-3553;
- iv. 240 TPH Eljay screen (6' x 16'), serial no. 993;
- v. 1,385 hp/1,033 kW Cummins diesel engine generator, model no. KTA-3067-G-2, serial no. 33112241;
- vi. 775 hp/500 kW Caterpillar emergency back-up diesel engine generator, model no. D348 36 J, serial no. 36J-555;
- vii. Various conveyors; and
- viii. Various water spray systems.

b. Temporary portable sand plant with:

- i. 500 TPH CEC two-deck (2-deck) screen, serial no. 89328;
- ii. 500 TPH CEC two-deck (2-deck) screen, serial no. 89329;
- iii. 150 TPH RSTI trommel screen, model T-620-E, serial no. T-94-08;
- iv. 150 TPH KPI twin washer, model 5036-25 T KPI, serial no. 410134;
- v. 429 hp/320 kW Caterpillar diesel engine generator, model no. 3406DI, serial no. 2WB01105 (Nonroad);
- vi. Various conveyors; and
- vii. Various water spray systems.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the equipment listed above to show the applicable model no., serial no., and manufacturer specified for the equipment. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

Section B. Applicable Federal Regulations

1. Pieces of equipment listed above, except for the hammermill crusher, trommel screen, twin washer, and diesel engine generators, are subject to the provisions of the following federal regulations:

- a. 40 Code of Federal Regulations (CFR) Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
- b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.1, §60.670)¹

2. The 1,385 hp and 775 hp diesel engine generators are subject to the provisions of the following federal regulations:

- a. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart A, General Provisions; and
- b. 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §63.1, §63.6585)¹

3. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Part 60)¹

Section C. Operational and Emission Limitations

1. Operating Hour Limits

- a. The total operating hours of the fixed sand plant, as represented by the total combined operating hours of the diesel engine generators powering the plant, shall not exceed 2,500 hours in any rolling twelve-month (12-month) period.
- b. The total combined operating hours of the 500 TPH portable screens shall not exceed 2,500 hours in any rolling twelve-month (12-month) period as represented by the operating hours of each attached diesel engine generator.
- c. The total operating hours of the trommel screen and twin washer, as represented by the operating hours of the 429 hp Caterpillar diesel engine generator shall not exceed 2,500 hours in any rolling twelve-month (12-month) period.
- d. The 775 hp emergency diesel engine generator shall only be used as follows:
 - i. To provide emergency backup power when the 1385 hp diesel engine generator is inoperable; and
 - ii. For the purposes specified in Attachment II, Special Condition No. C.9.a.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Fuel Limits

- a. The 775 hp and 429 hp diesel engines shall be fired only on diesel fuel with a maximum sulfur content of 0.0015% by weight.
- b. The 1,385 hp diesel engine shall be fired only on ultralow sulfur diesel fuel with the following specifications:
 - i. Maximum sulfur content of 0.0015% by weight; and
 - ii. Minimum cetane index of forty (40) or maximum aromatic content of thirty-five percent (35%).

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90; 40 CFR §63.6604)¹

3. Fugitive Emission Limits

- a. The permittee shall not cause to be discharged into the atmosphere from the cage mill crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.
- b. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors, screening operation, or from any other affected facility, fugitive emissions which exhibit greater than ten (10) percent opacity.
- c. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)¹

4. 1385 hp Diesel Engine Generator

The permittee shall comply with the following requirements for the 1385 hp diesel engine generator:

- a. Install, operate, and maintain an oxidation catalyst.
- b. Except during periods of startup, the diesel engine generator shall comply with either of the following emission limits:
 - i. Limit concentration of carbon monoxide (CO) in the engine exhaust to twenty-three (23) parts per million volumetric dry (ppmvd) at fifteen (15) percent oxygen (O₂); or
 - ii. Reduce CO emissions by seventy (70) percent or more.
- c. Install, operate, and maintain a continuous parameter monitoring system (CPMS) to continuously monitor catalyst inlet temperature in accordance with 40 CFR §63.6625(b).
- d. Except during periods of startup, maintain the temperature of the diesel engine generator's exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F.

- e. Except during periods of startup, maintain the catalyst so that the pressure drop across the catalyst does not change by more than two (2) inches of water from the pressure drop across the catalyst that was measured during the initial performance test.
- f. If the diesel engine generator is not equipped with a closed crankcase ventilation system, the permittee shall install, operate, and maintain either of the following control equipment:
 - i. A closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere; or
 - ii. An open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.
- g. The permittee shall minimize the diesel engine generator's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed thirty (30) minutes, after which time the non-startup emission limits apply.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR §63.6603, §63.6625)¹

5. 775 hp Emergency Diesel Engine Generator

- a. The 775 hp emergency diesel engine generator shall meet the definition of an emergency stationary RICE as defined in 40 CFR §63.6675 and shall comply with the requirement specified in 40 CFR §63.6640(f), including the following:

The emergency diesel engine may be operated for up to 100 hours per calendar year for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

- b. The permittee shall comply with the following requirements for the 775 hp emergency diesel engine generator:
 - i. Change oil and filter every 500 hours of operation or annually, whichever comes first (an oil analysis program as described in 40 CFR §63.6625(i) may be utilized in order to extend the specified oil change requirements);
 - ii. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
 - iii. Inspect all hoses and belts every 500 hours of operation or annually whichever comes first, and replace as necessary;
 - iv. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed thirty (30) minutes; and

- v. Operate and maintain the diesel engine generator according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions.

(Auth.: HAR §11-60.1-3, §11-60.1-38, §11-60.1-90; 40 CFR §63.6603, §63.6625, §63.6640, §63.6675)¹

6. Visible Emissions

For any six (6) minute averaging period, the diesel engines shall not exhibit visible emissions of twenty (20) percent opacity or greater, except as follows: during start-up, shutdown, or equipment breakdown, the diesel engines may exhibit visible emissions not greater than sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90; SIP §11-60.1-90)²

7. Maintenance

The sand plant, screening plants, diesel engine generators, and water spray systems shall be properly maintained and kept in good operating conditions at all times with scheduled inspections and maintenance as recommended by the manufacturer, and as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90; CFR §63.6605, 63.6625)¹

8. Fugitive Emissions Control

- a. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at all crushers, screens, material transfer points, stockpiles, plant roads, and throughout the facility. The Department may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.
- b. Water spray systems shall be maintained and utilized, as necessary, during operation of each crushing and screening plant to ensure compliance with the fugitive emission limits. The Department at any time may require continuous operation of the water sprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed.
- c. The plants shall not be operated if observation or the routine inspection required in Attachment II, Special Condition No. D.4.b, indicates a significant drop in water flow rate and/or water pressure, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of the water spray systems. The permittee shall investigate and correct the problem before resuming operations. The normal operating water pressure (psi) and/or flow rate (gal/min) for the water spray systems shall be established during the performance test conducted pursuant to Attachment II, Section F, and may be incorporated into the permit.

- d. A water truck/water spray system shall be maintained and utilized, as necessary, to minimize fugitive dust from plant operations (e.g., haul roads, stockpiles, material transfer points, etc.).

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

9. Location Change

The operation of the equipment covered by this temporary covered source permit shall involve at least one (1) location change during the term of this permit. Location changes of the equipment shall be in accordance with Attachment II, Section H. For each change in location, the Department reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-3, §11-60.1-81, §11-60.1-91)

10. Alternate Operating Scenario

- a. The permittee may replace the diesel engine generator with a temporary replacement unit if any repair reasonably warrants the removal of the diesel engine generator from its site (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) and the following provisions are adhered to:
 - i. A request for the replacement unit shall be submitted in accordance with Attachment II, Special Condition No. E.9.a;
 - ii. The temporary unit must be similar in size with equal or lesser emissions with the exception of an increase in CO emissions not to equal or exceed five (5) tons per year. The Department may allow the increase in CO emissions provided the permittee demonstrates the increase does not affect the source's major source status, compliance with the ambient air quality standards, or result in the applicability of any new requirements;
 - iii. The temporary replacement unit shall comply with all applicable conditions including all air pollution control equipment requirements, operating restrictions, and emission limits;
 - iv. The installation and operation of the temporary replacement unit shall not exceed twelve (12) consecutive months;
 - v. The diesel engine generator shall be repaired and returned to service at the same location in a timely manner; and
 - vi. Removal and return information shall be submitted in accordance with Attachment II, Special Condition No. E.9.b.

- b. The Department may require an ambient air quality assessment of the temporary unit, and/or provide a conditional approval to impose additional monitoring, testing, recordkeeping, and reporting requirements to ensure the temporary unit is in compliance with the applicable requirements of the permitted unit being temporarily replaced.
- c. Records shall be maintained in accordance with Attachment II, Special Condition No. D.10.
- d. The terms and conditions under each operating scenario shall meet all applicable requirements, including special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

11. For the purpose of retaining the 429 hp diesel engine's status as a nonroad engine, the diesel engine shall not remain at a location for more than twelve (12) consecutive months or a shorter period of time for an engine located at a seasonal source, except for equipment storage. A location is any single site at a building, structure, facility or installation.
- a. Any engine that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period.
 - b. An engine located at a seasonal source is an engine that remains at a seasonal source during the full annual operating period of the seasonal source. A seasonal source is a stationary source that remains in a single location on a permanent basis (i.e., at least two (2) years) and that operates at that single location approximately three (3) months (or more) each year.

Should the diesel engine remain at a location for more than twelve (12) consecutive months, the diesel engine would no longer be classified as a nonroad engine and would be subject to the requirements of 40 CFR Part 63, Subpart ZZZZ.

(Auth.: HAR §11-60.1-3, §11-60.1-90; 40 CFR § 63, §63.6585)¹

Section D. Monitoring and Recordkeeping Requirements

1. Records

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records and copies of all reports required by this permit. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its representative(s) upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

2. Operating Hours Limitation

A non-resetting hour meter shall be installed, operated and maintained on each diesel engine and 500 TPH screen for the permanent recording of the total amount of hours operated for the purpose of the hour limitations specified in Attachment II, Special Condition No. C.1. The non-resetting meters shall not allow the manual resetting or other manual adjustments of the meter readings. The installation of any new non-resetting meters or the replacement of any existing non-resetting meters shall be designed to accommodate a minimum of five (5) years of equipment operation, considering any operational limitations, before the meter returns to a zero reading. The following information shall be recorded for each diesel engine:

- a. Date of meter readings;
- b. Beginning and ending meter readings for each month;
- c. Total hours of operation for each month;
- d. Total hours of operation on a rolling twelve-month (12-month) basis;
- e. Total combined operating hours of the 1385 hp and 775 hp diesel engine generators on a rolling twelve-month (12-month) basis.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

3. Production

The permittee shall maintain records on the total tons of material processed by the crushing and screening plants on a monthly and annual basis for purposes of annual emissions reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

4. Water Spray System

- a. A water pressure gauge and/or flow meter shall be installed, operated, and maintained to measure the pressure and/or flow rate of the water spray systems in psi and/or gallons per minute (gal/min).
- b. The water spray system, to include the water pump, piping system, spray nozzles and any gauges (i.e., water pressure, water flow meter, etc.) shall be checked routinely at least once per week to insure proper operation of the water spray system.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

5. Fuel Certification

Fuel purchase receipts, showing the fuel type, date of delivery, and amount (gallons) of fuel delivered for the diesel engine generators shall be maintained for purposes of the fuel limits specified in Attachment II, Special Condition No. C.2, and annual emissions reporting. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

6. Catalyst

- a. The permittee shall prepare a site specific monitoring plan in accordance with 40 CFR §63.6625(b).
- b. The permittee shall monitor and record the catalyst inlet temperature, and measure and record the pressure drop across the catalyst once per month to demonstrate continuous compliance with the operating limits as specified in Attachment II, Special Condition No. C.4.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §63.6640)¹

7. Inspection, Maintenance, and Repair Log

An inspection, maintenance, and repair log shall be maintained for the equipment covered under this permit. Inspection and replacement of parts and repairs to the crushers, screens, conveyors, water spray system, and diesel engines shall be well documented. At a minimum, the following records shall be maintained:

- a. The date of the inspection/maintenance/repair work;
- b. A description of the part(s) inspected or repaired;
- c. A description of the findings and any maintenance or repair work performed; and
- d. The name and title of the personnel performing inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

8. Performance Test

Performance tests shall be conducted on the fixed sand plant and 500 TPH screens pursuant to Attachment II, Section F, and on the 1,385 HP diesel engine generator pursuant to Attachment II, Section G. Test summaries and results shall be maintained in accordance with the requirements of this section.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

9. Visible Emissions

- a. The permittee shall conduct **monthly** (calendar month) visible emissions observations for each diesel engine by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*. For the visible emissions observations of the diesel engine, the observer shall comply with the following additional requirements:
 - i. The distance between the observer and the emission source shall be at least three (3) stack heights, but not more than 402 meters (0.25 miles); and
 - ii. The observer shall, when possible, select a position that minimizes interference from other sources of visible emissions. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.
- b. Except in those months when performance tests are conducted for fugitive emissions pursuant to Attachment II, Special Conditions, Section F, the permittee shall conduct **monthly** (calendar month), visible emissions observations for each crushing plant and screening plant by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9, or U.S. EPA approved equivalent methods, or alternative methods with prior written approval from the Department. For each month, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point subject to an opacity limit. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*. For the visible emissions observations of fugitive emissions, the observer shall comply with the following additional requirements:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet), but not greater than 402 meters (0.25 miles);
 - ii. The observer shall, when possible, select a position that minimizes interference from other visible emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed; and
 - iii. The observer shall record the operating capacity (ton/hr) of the crushing plant and screening plant at the time the observations were made.

The Department may allow observation of a portion of the total fugitive emission points subject to opacity limits, if it can be demonstrated that operations have been in compliance with the permit. At a minimum, at least three (3) emission points shall be observed each month. The selected points shall include a crusher, screen, and transfer point, or those points as specified by the Department. The points observed shall be rotated so that each emission point is eventually observed. The Department may require additional emission points to be observed. Allowance to observe a portion of the total required emission points shall be obtained in writing from the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-32, §11-60.1-90)

10. Alternate Operating Scenarios

The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility, the scenario under which it is operating.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

Section E. Notification and Reporting Requirements

1. Standard Conditions Reporting

Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 16, 17, and 24, respectively:

- a. Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;
- b. Intent to shut down air pollution control equipment for necessary scheduled maintenance;
- c. Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and
- d. Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)²

2. Deviations

The permittee shall report in writing **within five (5) working days** any deviations from the permit requirements, including those attributed to upset conditions, the probable cause of such deviations, and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or could trigger implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Annual Emissions Reports

- a. As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons per year emitted of each regulated pollutant, including hazardous air pollutants. The report is due **within sixty (60) days following** the end of each calendar year. The following enclosed forms shall be used for reporting:

Annual Emission Report Form: Crushing and Screening Plants; and
Annual Emission Report Form: Diesel Engines.

- b. Upon the permittee's written request, the deadline for annual emissions reporting may be extended, if the Department determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

4. Monitoring Reports

- a. The permittee shall submit **semi-annually** the following reports to the Department. The reports shall be submitted **within sixty (60) days** after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31), be signed and dated by a responsible official, and shall include the following:
 - i. Types of fuel fired, maximum sulfur content (percent by weight) of fuel oil no. 2 for the diesel engines;
 - ii. Identify any opacity exceedances as determined by the required visible emissions monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reasons for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period;
 - iii. The total combined operating hours of the 1385 HP and 775 HP diesel engine generators on a monthly and twelve-month (12-month) rolling basis.
 - iv. The total combined operating hours of the 500 TPH portable screening plants on a monthly and twelve-month (12-month) rolling basis; and
 - v. The total operating hours of 429 hp diesel engine on a monthly and twelve-month (12-month) rolling basis.
- b. The following enclosed forms shall be used for reporting:

Monitoring Report Form: Operating Hours;
Monitoring Report Form: Fuel Certification; and
Monitoring Report Form: Opacity Exceedances.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached **Compliance Certification Form** pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include at a minimum the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;

- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean air Act;
- f. A brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR Part 64 occurred; and
- g. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted within **sixty (60) days after** the end of each calendar year and shall be signed and dated by responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

6. Compliance Reports

The permittee shall submit semi-annual compliance reports to the Department and U.S. EPA, Region 9, in accordance with 40 CFR §63.6650. The report shall be submitted within **thirty-one (31) days** after the end of each semi-annual reporting period (January 1 - June 30 and July 1 - December 31). The enclosed **Compliance Report Form: Diesel Engine Generator** or an equivalent form shall be used for reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §63.6650)¹

7. Performance Testing

- a. Crushing and Screening Plants.
 - i. At least **thirty (30) days** prior to conducting a source performance test pursuant to Attachment II, Section F, the permittee shall submit a written performance test plan to the Department in accordance with Attachment II, Special Condition No. F.4.
 - ii. Written reports of the results of the performance tests conducted to demonstrate compliance shall be submitted to the Department within **sixty (60) days** after the completion of the performance test, and shall be in conformance with Attachment II, Special Condition No. F.6.

- b. 1,385 hp Diesel Engine Generator
 - i. At least **sixty (60) days** prior to conducting a source performance test pursuant to Attachment II, Section G, the permittee shall submit a written performance test plan to the Department in accordance with Attachment II, Special Condition No. G.3.
 - ii. Written reports of the results of the performance tests conducted to demonstrate compliance, including a notification of compliance status, shall be submitted to the Department within **sixty (60) days** after the completion of the performance test, and shall be in conformance with Attachment II, Special Condition No. G.5.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, 40 CFR §63.6645)¹

- 8. The permittee shall submit a report to the Department and U.S. EPA Region 9 pursuant to 40 CFR §60.676(g) for changes between processing saturated and unsaturated material for belt conveyor and screening operations.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.676)¹

9. Alternate Operating Scenario

- a. The permittee shall submit a written request and receive prior written approval from the Department before exchanging the diesel engine with a temporary replacement unit. The written request shall identify, at a minimum, the reasons for the replacement of the diesel engine from the site of operation and the estimated time/dates for the temporary replacement, type and size of the temporary unit, emissions data, and stack parameters.
- b. Prior to the removal and return of the diesel engine, the permittee shall submit to the Department written documentation on the removal and return dates and on the make, size, model, and serial numbers, for both the temporary replacement unit and the installed unit.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

Section F. Testing Requirements (Crushing and Screening Plants)

1. Annual Performance Testing

- a. The permittee shall conduct or cause to be conducted an annual source performance test on all crushing and screening plant equipment subject to the opacity limits specified in Attachment II, Special Condition Nos. C.3.a and C.3.b.
- b. Pursuant to 40 CFR §60.675(h), an annual performance test is not required for wet screening operations and subsequent operations that do not require an initial Method 9 performance test.

- c. The Department may require testing at other points in the facility if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675, SIP §11-60.15)^{1,2}

2. Performance Test Methods

- a. The performance tests for the crushing and screening plants shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A, and the procedures in 40 CFR §60.11 with the following additions:
 - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed;
 - iii. The observer shall record the operating capacity (tons/hr) of the crushing and screening plants at the time observations were made; and
 - iv. The observer shall record the flow rate for the water spray system in gallons per minute servicing the plants.
- b. When determining compliance with the fugitive dust emissions standard specified in Attachment II, Special Condition No. C.3.a, for the crusher, the duration of Method 9 may be reduced from three (3) hours (thirty (30) six-minute (6-minute) averages) to one (1) hour (ten (10) six-minute (6-minute) averages) only if the following conditions apply:
 - i. There are no individual readings greater than fifteen (15) percent opacity; and
 - ii. There are no more than three (3) readings of fifteen (15) percent for the one-hour (1-hour) period.
- c. When determining compliance with the fugitive emissions standard specified in Attachment II, Special Condition No. C.3.b, for transfer points on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty (30) six-minute (6-minute) averages) to one (1) hour (ten (10) six-minute (6-minute) averages) only if the following conditions apply:
 - i. There are no individual readings greater than ten (10) percent opacity; and
 - ii. There are no more than three (3) readings of ten (10) percent for the one-hour (1-hour) period.
- d. When determining compliance with the fugitive emissions standards of Attachment II, Special Condition Nos. C.3.a and C.3.b, if emissions from two (2) or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- i. Use for the combined emission stream, the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream; or
 - ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.
- e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department at least **seven (7) days** prior to any rescheduled performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)¹

3. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of each crushing and screening plant. All performance tests may be monitored by the Department.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)¹

4. Performance Test Plan

At least thirty (30) days prior to conducting the performance test, the permittee shall submit a written performance test plan to the Department and U.S. EPA, Region 9, that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, SIP §11-60.1-15)^{1,2}

5. Deviations

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

6. Performance Test Report

Within **sixty (60) days** after completion of each performance test, the permittee shall submit to the Department and U.S. EPA, Region 9, the test report which shall include the operating conditions of the facility (e.g., water flow rate in gal/min for wet suppression, crusher closed

side setting, etc.), the summarized test results, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60, Appendix A and Subsection 60.8.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675; SIP §11-60-15)^{1,2}

7. Performance Test Waiver

Upon written request and justification, the Department may waive the requirement for, or a portion of, a specific source performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior performance test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

Section G. Testing Requirements (Diesel Engine Generator)

1. Performance Testing

- a. The permittee shall conduct or cause to be conducted an initial performance test on the 1,385 diesel engine generator no later than October 30, 2013, to demonstrate compliance with the applicable emission limit specified in Attachment II, Special Condition No. C.4. Subsequent performance tests shall be conducted every 8,760 hours of operation or three (3) years, whichever comes first.
- b. The performance test shall be conducted in accordance with the test requirements and procedures set forth in 40 CFR §63.6620. The performance test shall consist of three (3) separate runs using the applicable test method, and each test run must last at least one (1) hour. For the purpose of determining compliance with an applicable regulation, the arithmetic mean or the result of the three (3) runs shall apply. At a minimum, the catalyst pressure drop and catalyst inlet temperature for each run shall be provided in the performance test report.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §63.8, §63.6612, §63.6615, §63.6620; SIP §11-60.15)^{1,2}

2. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and the Department may monitor the performance tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

3. Performance Test Plan

At least **sixty (60) days** prior to conducting a performance test, the permittee shall submit a written performance test plan to the Department and U.S. EPA, Region 9, that includes date(s) of the test, test duration, test locations, test methods, source operation, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §63.7, §63.6645; SIP §11-60-15)^{1,2}

4. Deviations

Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

5. Performance Test Report

Within **sixty (60) days** after completion of the performance test, the permittee shall submit to the Department and U.S. EPA, Region 9, the test report, including a notification of compliance status, which shall include the operating conditions of the diesel engine generator at the time of the test (e.g., engine percent load, catalyst pressure drop and inlet temperature, etc.), summarized test results, comparative results with the permit emission limits, other pertinent support calculations, and field/laboratory data.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §63.7, §63.6645; SIP §11-60-15)^{1,2}

Section H. Change of Location Requirements

1. The permittee shall submit information regarding all location changes to the Department for approval at least **thirty (30) days**, or such lesser time as designated and approved by the Department, prior to the change in location. The information submitted shall include the following:
 - a. Name, address, phone number of the facility, and the plant site manager or other contact;
 - b. Temporary covered source permit number and expiration date;
 - c. Identification of current location;

- d. Location map of the proposed new temporary location containing the following information:
 - i. Identification of the property boundary, any fence lines, and general terrain features (i.e., flat, hilly, steep);
 - ii. Location of all structures within one hundred (100) meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than forty percent (40 %) of the stack height of the equipment; and
 - iii. Identification of any other air pollution sources at the new location.
- e. Area map showing the proposed new location of the equipment;
- f. Projected dates of operation at the new location;
- g. Identification of any other air pollution sources at the new location;
- h. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this temporary covered source permit at the new location; and
- i. Any additional information as requested by the Department, including an ambient air quality impact assessment of the facility at the new location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 2. The applicable filing fee shall be submitted to the Department with each change in location request and made payable to the **Clean Air Special Fund-COV**.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 3. Prior to any relocation, the Department shall approve, conditionally approve, or deny in writing each location change. The change of location approval, or a copy thereof, shall be maintained near the source and shall be made available for inspection upon request by the Department. If the Department denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 4. At each of the authorized locations, the permittee shall operate in accordance with this temporary covered source permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 5. All the information required in this section shall be submitted to the Department using the attached form, "Change of Location Request for a Temporary Source," including the area map showing the new proposed location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

Section I. Agency Notification

1. Any document (including reports) required to be submitted by this covered source permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

²The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG
SPECIAL CONDITIONS - INSIGNIFICANT ACTIVITIES
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

In addition to the standard conditions of the covered source permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions, apply.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

1. The Department reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be true, accurate, and maintained in a permanent form suitable for inspection and made available to the Department or its authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting

Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department and U.S. EPA, Region 9, the attached *Compliance Certification Form* pursuant to HAR, §11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent;
4. The methods used for determining the compliance status of the source currently and over the reporting period;
5. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act;
6. Brief description of any deviations including identifying as possible exceptions to compliance any periods during which compliance is required and in which the excursion or exceedances as defined in 40 CFR 64 occurred; and
7. Any additional information as required by the Department including information to determine compliance.

The compliance certification shall be submitted **within sixty (60) days** after the end of each calendar year, and shall be signed and dated by a responsible official.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department determines that reasonable justification exists for the extension.

In lieu of addressing each emission unit as specified in *Compliance Certification Form*, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

Section E. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 28.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
 - a. Within **one-hundred twenty (120) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814**

**ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached forms:

Annual Emissions Report Form: **Crushing and Screening Plants**

Annual Emissions Report Form: **Diesel Engine Generators**

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department upon request.
4. Any information submitted to the Department without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Director of Health and clearly identifying the specific information that is to be accorded confidential treatment.

DRAFT

COMPLIANCE CERTIFICATION FORM
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
PAGE 1 OF ____

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as requested by the Department.

(Make Copies of the Compliance Certification Form for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

COMPLIANCE CERTIFICATION FORM
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 2 OF ____)

Issuance Date:

Expiration Date:

The purpose of this form is to evaluate whether or not the facility was in compliance with the permit terms and conditions during the covered period. If there were any deviations to the permit terms and conditions during the covered period, the deviation(s) shall be certified as *intermittent compliance* for the particular permit term(s) or condition(s). Deviations include failure to monitor, record, report, or collect the minimum data required by the permit to show compliance. In the absence of any deviation, the particular permit term(s) or condition(s) may be certified as *continuous compliance*.

Instructions:

Please certify Sections A, B, and C below for continuous or intermittent compliance. Sections A and B are to be certified as a group of permit conditions. Section C shall be certified individually for each operational and emissions limit condition as listed in the Special Conditions section of the permit (list all applicable equipment for each condition). Any deviations shall also be listed individually and described in Section D. The facility may substitute its own generated form in verbatim for Sections C and D.

A. Attachment I, Standard Conditions

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All standard conditions	All Equipment(s) listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

B. Special Conditions - Monitoring, Recordkeeping, Reporting, Testing, and INSIG

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Compliance</u>
All monitoring conditions	All Equipment(s) listed in the permit	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All recordkeeping conditions	<u>Equipment(s)</u> All Equipment(s) listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All reporting conditions	<u>Equipment(s)</u> All Equipment(s) listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All testing conditions	<u>Equipment(s)</u> All Equipment(s) listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
<u>Permit term/condition</u> All INSIG conditions	<u>Equipment(s)</u> All Equipment(s) listed in the permit	<u>Compliance</u> <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

COMPLIANCE CERTIFICATION FORM
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 3 OF ____)

Issuance Date:

Expiration Date:

C. Special Conditions - Operational and Emissions Limitations

Each permit term/condition shall be identified in chronological order using attachment and section numbers (e.g., Attachment II, B.1, Attachment IIA, Special Condition No. B.1.f, etc.). Each piece of equipment shall be identified using the description stated in Section A of the Special Conditions (e.g., unit no., model no., serial no., etc.). Check all methods (as required by permit) used to determine the compliance status of the respective permit term/condition.

<u>Permit term/condition</u>	<u>Equipment(s)</u>	<u>Method</u>	<u>Compliance</u>
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
		<input type="checkbox"/> monitoring <input type="checkbox"/> recordkeeping <input type="checkbox"/> reporting <input type="checkbox"/> testing <input type="checkbox"/> none of the above	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent

(Make Additional Copies if Needed)

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**COMPLIANCE CERTIFICATION FORM
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE ____ OF ____)**

Issuance Date:

Expiration Date:

D. Deviations

<u>Permit Term/ Condition</u>	<u>Equipment(s) / Brief Summary of Deviation</u>	<u>Deviation Period time (am/pm) & date (mo/day/yr)</u>	<u>Date of Written Deviation Report to DOH (mo/day/yr)</u>
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	
		Beginning: Ending:	

(Make Additional Copies if Needed)

**COMPLIANCE REPORT FORM
1385 HP DIESEL ENGINE GENERATOR
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(PAGE 1 OF 3)**

Issuance Date: _____

Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:
(Make Copies for Future Use)

For Period: _____ Date: _____

Company Name: _____

Facility Name: _____

Equipment Location: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

Title: _____ Phone Number: _____

Responsible Official (Signature): _____

1. If there were no deviations from any emission or operating limitations, please state there were no deviations from the emission or operating limitations during the reporting period.

2. If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, please state there were no periods during which the CMS was out-of-control during the reporting period.

COMPLIANCE REPORT FORM
1385 HP DIESEL ENGINE GENERATOR
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 2 OF 3)

Issuance Date: _____ Expiration Date: _____

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

3. Report the number of malfunctions during the reporting period which caused or may have caused any applicable emission limitation to be exceeded: _____

Duration of Malfunction	Description of Malfunction	Actions Taken to Minimize Emissions/Correct Malfunction

(Make Additional Copies if Needed)

**COMPLIANCE REPORT FORM
1385 HP DIESEL ENGINE GENERATOR
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 3 OF 3)**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

4. For each deviation from an emission or operating limitation, provide the following information in accordance with 40 CFR §63.6645:
 - a. The date and time that each malfunction started and stopped.
 - b. The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
 - c. The date, time, and duration that each CMS was out-of-control, including the information in §63.8(c)(8).
 - d. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
 - e. A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
 - f. A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
 - g. A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the diesel engine generator at which the CMS downtime occurred during that reporting period.
 - h. An identification of each parameter and pollutant (CO) that was monitored at the diesel engine generator.
 - i. A brief description of the diesel engine generator.
 - j. A brief description of the CMS.
 - k. The date of the latest CMS certification or audit.
 - l. A description of any changes in CMS, processes, or controls since the last reporting period.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 00703-01-C/CT**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall provide the following information to the Department of Health:

(Make Copies for Future Use)

1. The permittee shall submit a change of location request for all location changes. The change of location request shall include the attached Change of Location Request for a Temporary Source Form and the items identified in nos. 2, 3, and 4, below. The change of location request shall be submitted to the Department for approval at least thirty (30) days, or such lesser time as designated and approved by the Department, prior to the change in location.
2. The permittee shall submit a location map of the new temporary location containing the following information:
 - a. Identification of the property boundary, fence lines, and general terrain features (i.e., flat, hilly, steep);
 - b. Location of all structures within 100 meters (330 feet) of the equipment;
 - c. Location of the equipment moving to the new temporary location; and
 - d. Location of other air pollution sources owned and operated by the permittee at the new location, if any.
3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund-COV** and is as follows:

Covered Sources
_____ \$100.00 for Non-Air Toxic
_____ \$300.00 for Air Toxic
4. If requested by the Department, the permittee shall submit any additional information including an ambient air quality impact analysis of the equipment at the new location.
5. This notification form shall be mailed to the following address:

**CLEAN AIR BRANCH
ENVIRONMENTAL MANAGEMENT DIVISION
HAWAII DEPARTMENT OF HEALTH
919 Ala Moana Boulevard, Room 203
Honolulu, HI 96814
(808) 586-4200**

-
1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
 2. At each new authorized location, the permittee shall operate in accordance with the current Temporary Covered Source Permit and all applicable requirements.

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 1 OF 2)**

Issuance Date: _____

Expiration Date: _____

1. Company Name: _____
2. Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone Number: _____
3. Name of Owner/Owner's Agent: _____
Title: _____ Phone Number: _____
4. Equipment Description (identify each equipment to be relocated): _____

5. Current Location of Equipment: _____
6. **New Location Information**
 - a. Street Address: _____
 - b. City: _____ Zip Code: _____ Island: _____
 - c. For sites with no street address, provide:
Description of location: _____
or, Tax map key: _____
 - d. Plant manger/contact: _____ Phone: _____
 - e. Proposed start date at new location: _____
 - f. Estimated project duration at new location: _____
 - g. Describe general terrain features (e.g., flat, hilly, steep, etc.): _____
Approximate Slope (%): _____ Direction of increasing slope: _____
 - h. List structures within **100 meters (330 feet)** of the equipment and which have heights greater than 40% of the equipment stack height. In the following table, provide the height, length, width, and distance to the equipment stack at the new site. If there are no applicable structures, specify "none."

Structure	Distance from Stack (ft)	Height (ft)	Length (ft)	Width (ft)

**CHANGE OF LOCATION REQUEST
FOR A TEMPORARY SOURCE
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(CONTINUED, PAGE 2 OF 2)**

Issuance Date: _____

Expiration Date: _____

- i. Brief description of the work to be performed: _____

- j. Identify other air pollution sources owned and operated by the permittee at the new location, if any: _____

- k. Provide estimated distances to the nearest residence and/or occupied establishments (e.g., schools, businesses, etc.):

Distance	Identify if residence, school, business, etc.

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current temporary covered source permit at this new location.

Responsible Official (Print name): _____ Date: _____

Title of Responsible Official: _____

Responsible Official (Signature): _____

DRAFT

**ANNUAL EMISSIONS REPORT FORM
CRUSHING AND SCREENING PLANTS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

For Period: _____ Date: _____

Company Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Report the air pollution control measures used for the facility as follows:

Type of Operation	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
truck unloading		
crushing		
screening (unsaturated material)		
conveyors		
stockpiles		
truck loading		

Report the tons per year (TPY) of material processed by the plants as follows:

Plant	TPY of Material Processed
150 TPH sand plant	
500 TPH portable screening plant	
500 TPH portable screening plant	

DRAFT

**ANNUAL EMISSIONS REPORT FORM
DIESEL ENGINES
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amount of emissions.

(Make Copies for Additional Use)

For Period: _____

Date: _____

Company Name: _____

Equipment Location: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Equipment Description: Diesel engine generators

Report the fuel type, maximum fuel sulfur content, and fuel consumption for the reporting period as follows:

Manufacture	Capacity	Type of Fuel	Total Fuel Oil No. 2 Consumption (gal/yr)
Cummins	1,385 hp/1,033 kW		
Caterpillar	775 hp/500 kW		
Caterpillar	429 hp/320 kW		

DRAFT

**MONITORING REPORT FORM
OPERATING HOURS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(PAGE 1 OF 2)**

Issuance Date: _____

Expiration Date: _____

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Period: _____

Date: _____

Company Name: _____

Equipment Location: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

1. Report the total combined operating hours of the diesel engine generators as follows:

Month	Diesel Engine Generators		
	Total Operating Hours (monthly)		Total Combined Operating Hours for Both Units (12-month rolling basis)
	Size/Unit Serial No.		
	1385 hp/33112241	775 hp/36J-555	
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
OPERATING HOURS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT
(PAGE 2 OF 2)**

Issuance Date:**Expiration Date:**

2. Report the total operating hours of the diesel engine as follows:

Month	Diesel Engine	
	Total Operating Hours (monthly)	Total Operating Hours for the Unit (12-month rolling basis)
	Size/Unit Serial No.	
	429 hp/2WB01105	
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		

3. Report the total combined operating hours of the 500 TPH portable screening plants as follows:

Month	500 TPH Portable Screening Plants		
	Total Operating Hours (monthly)		Total Combined Operating Hours for Both Units (12-month rolling basis)
	Unit Serial No.		
	89328	89329	
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**MONITORING REPORT FORM
FUEL CERTIFICATION
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:**Expiration Date:**

In accordance with the HAR, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Period: _____ Date: _____

Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Equipment Capacity/Rating (specify units): _____
(Units such as horsepower, kilowatt, tons/hour, etc.)

Serial/ID No.: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

1. Report the types of fuel fired, maximum sulfur content (percent by weight), and minimum cetane index or maximum aromatic content (percent by volume) for the reporting period.

EQUIPMENT DESCRIPTION	TYPE OF FUEL FIRED	MAXIMUM SULFUR CONTENT (% BY WEIGHT)
1,385 hp Diesel Engine		
775 hp Diesel Engine		
429 hp Diesel Engine		

EQUIPMENT DESCRIPTION	MINIMUM CETANE INDEX ¹	MAXIMUM AROMATIC CONTENT (VOLUME %) ¹
1,385 hp Diesel Engine		

¹Provide either minimum cetane index or maximum aromatic content.

[illegible]

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date:

Expiration Date:

The ***Visible Emissions (VE) Form*** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9. At least **annually** (*calendar year*), VE observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The VE Form shall be completed as follows:

1. VE observations shall take place during the day only. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the VE Form using the symbols as shown.
3. For VE observations of stacks, stand at least three (3) stack heights but not more than a quarter mile from the stack.
4. For VE observations of fugitive emissions from crushing and screening plants, stand at least 4.57 meters (15 feet) from the visible emissions source, but not more than a quarter mile from the visible emission source.
5. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
6. The six (6) minute average opacity reading shall be calculated for each observation.
7. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at the maximum permitted capacity.
8. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed VE Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's VE monitoring requirements for the month the performance test is performed.

**VISIBLE EMISSIONS FORM
DIESEL ENGINE GENERATORS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT**

Issuance Date: _____

Expiration Date: _____

(Make Copies for Future Use for Each Stack)

Company Name: _____

For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers and screens, describe:

Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)

Site Conditions:

Emission point or stack height above ground (ft): _____

Emission point or stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

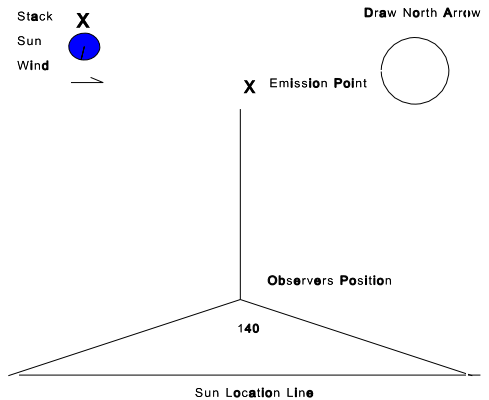
Wind speed (mph): _____

Temperature (EF): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____



SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

VISIBLE EMISSIONS FORM
CRUSHING AND SCREENING PLANTS
COVERED/TEMPORARY COVERED SOURCE PERMIT NO. 0703-01-C/CT

Issuance Date: _____

Expiration Date: _____

(Make Copies for Future Use for Each Emission Point)

Company Name: _____

For stacks, describe equipment and fuel: _____

For fugitive emissions from crushers and screens, describe: _____

Fugitive emission point: _____

Plant Production (tons/hr): _____

(During observation)

Site Conditions:

Emission point or stack height above ground (ft): _____

Emission point or stack distance from observer (ft): _____

Emission color (black or white): _____

Sky conditions (% cloud cover): _____

Wind speed (mph): _____

Temperature (EF): _____

Observer Name: _____

Certified? (Yes/No): _____

Observation Date and Start Time: _____

Stack X
 Sun
 Wind →

Draw North Arrow

X Emission Point

Observers Position

140

Sun Location Line

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: _____

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					